

Grady Price Blount

grady@tamuc.edu, (325) 716-0450

Education:

Texas A&M University-Commerce, Commerce, Texas, M.S., [History](#) with [Political Science](#), 2015.

Track III: Non-Thesis

Harvard University, Cambridge, Massachusetts, [Graduate School of Education](#), 2005.

Certificate: Management Development Program

Arizona State University, Tempe, Arizona, Ph.D., [Planetary Geology](#), 1988.

Dissertation: Regional Aeolian Dynamics from Remote Sensing: Origin of the Gran Desierto, Sonora, Mexico

Sul Ross State University, Alpine, Texas, M.S., [Geology](#), 1985.

Thesis: Interpretation of Shuttle Multispectral Infrared Radiometer Data for a Portion of Trans-Pecos Texas

Corpus Christi State University, Corpus Christi, Texas, B.S. [Geology](#), 1982.

Senior Project: Historical Changes in the Morphology of Corpus Christi Bay since 1540

Academic Positions Held:

2011-present **Texas A&M University-Commerce:**

2014-present Head, Dept. of Applied Sciences, Professor of Physics. Development and delivery of two 100% on-line degree programs (Applied Sciences and General Studies).

2011-2014 Dean, College of Science, Engineering & Agriculture (CoSEA). Inaugural dean for integrated college with six academic departments and ≈100 employees. Mentoring and management establishing a shared mission and a culture of assessment with transparent operations. Creation of School of Agriculture in 2013. Accreditation oversight and guidance. \$7M Budget administration.

2006-2011 **Angelo State University:**

Dean, College of Sciences and Professor of Geosciences; Academic supervision and engagement for 80-100 employees in science, mathematics and nursing. Created new College of Nursing and Allied Health in 2009. \$5M/year budget.

1993-2006 **Texas A&M University-Corpus Christi:**

Assistant Vice-President for Research and Associate Graduate Dean (2004-2006); Coordination of institutional doctoral-comprehensive initiative. Accreditation support, program reviews, coordination of Centers and Institutes supporting 27 master's degree programs and 4 doctoral programs. Creation of Ph.D. program in *Coastal and Marine System Science*.

Chair (1995-2006) of the Department of Physical and Life Sciences. Operation and administration of an interdisciplinary group serving more than 90 faculty and staff with 1,200 majors in eight undergraduate and graduate degrees. \$2M/year budget.

Professor (1998-2006) of Environmental Science and Geology. Department of Physical and Life Sciences; Undergraduate and graduate classroom teaching. Advising, community outreach, and externally-funded scholarly activities.

Associate Professor (1993-1998).

Academic Positions Held (continued):

1988-1993 **The University of North Dakota:**
Associate Professor (1991) of Space Studies, University of North Dakota, Grand Forks, North Dakota. Upper division and graduate DE and classroom teaching at Grand Forks, Grand Forks Air Force Base, and Minot Air Force Base campuses. *Earth System Science* initiative. Space Grant College satellite coordinator.

Professional Training:

2010 *Implementing Preventive Law Best Practices*, National Center for Higher Education Risk Management.
2005 & 2008 Delegate to the Annual Meeting of the *Commission on Colleges*, Southern Association of Colleges and Schools, Atlanta, GA. and San Antonio, TX.
2008 Participant, Financial Oversight of Credit Union Fiscal Operations, Credit Union National Association, San Antonio, TX.
2008 Participant, Institute on Quality Enhancement and Accreditation, *Commission on Colleges*, Southern Association of Colleges and Schools, Orlando, FL.
2008 Incident Command Systems (ICS-100) and National Incident Management System (IS-700), Federal Emergency Management Agency.
2004 *Strengths Quest*, The Gallup Organization
1998-2003 *Employee Evaluation and Goal Setting, Inventory Control and Purchasing, Professional Ethics*, Texas A&M University System

Other Professional Positions:

2013-2014 **Texas Engineering Experiment Station (TEES) Regional Division Head**, Northeast Texas, Texas A&M University-Commerce.
2003-2006 **Harte Research Institute for Gulf of Mexico Studies:**
Management Team Member; operational administration of \$46M endowment for marine studies and associated Ph.D. program.
2003-2006 **National Spill Control School:**
Executive Director of the congressionally-mandated center providing professional training for first responder HAZMAT operations.
1986-88 **Arizona State University:**
Research Associate, Planetary Geology Group, Tempe, Arizona. Field and lab research on Mars analog terrains.
1985 **The University of Texas at El Paso:**
Graduate Teaching Assistant, Dept. of Geology, Responsible for teaching lab sections of Physical Geology & Remote Sensing.
1983-85 **Sul Ross State University:**
Graduate Research Assistant, Alpine, Texas. Remote sensing groundtruth projects. Sports Information Director for Lobos athletic programs.
1971-82 **KNOW Radio, KEYS Radio, and KRIS Television:**
Broadcast Journalist (radio and television), Austin and Corpus Christi, Texas.
Creator of the *StarDate* radio program. Chief, Wendell Mayes Capitol Bureau, Science Correspondent, *RKO Radio Network* for first two launches of the Space Shuttle (1981).

Recent Professional Activities:

- University Executive Council, Texas A&M-Commerce, 2011-2014.
- Education Strategic Initiative team, Texas A&M System Engineering, 2011-present.
- Budget Review & Development Council, Texas A&M-Commerce, 2011-2014.
- Coordinator, Minority Serving Institutions, Texas Space Grant Consortium, 2010-present.
- Secretary, Texas Association of Deans of Liberal Arts and Sciences, 2009-2013.
- Proposal Reviewer, SACNAS (Society for Advancement of Chicanos and Native Americans in Science) Annual Conference, 2009-2013.
- Board of Directors, *Texas Space Grant Consortium*, 2004-present.
- Co-Host, First Texas Tech University System *Engagement Conference*, March, 2009.

Additional Professional Activities:

- Host, NASA Workshop on *Innovations in Global Climate Change Education*, 2010.
- Delegate, *Texas Higher Education Climate Summit*, National Council for Science and the Environment, The Woodlands, Tx., 2007.
- External Review Board, National Science Foundation *STEP Program*, Texas A&M University-Kingsville, 2005-2007.
- Campus Coordinator, *American Democracy Project*, Stewardship of Public Lands initiative, American Association of State Colleges and Universities, 2005-2006.
- Board of Directors, *South Texas Children's Museum* (Exploratorium venue), 2004-2006.
- Session Moderator, *Modeling and Decision Support for Environmental Systems* Conference, San Antonio, Texas, April 2005.
- Author, *Substantive Change Prospectus* for Texas A&M University-Corpus Christi, to the Southern Association of Colleges and Schools, 76 pp., 2005.
- Member, *Hallmarks of Excellence Task Force*, Policy Center for the First Year of College, American Association of State Colleges and Universities, 2003.
- Chair, Advisory Board, *Corpus Christi Museum of Science and History*, 2005-2006. Vice-Chair, 2003-2005.
- U. S. Representative, *Consortio Educativo para la Proteccion Ambiental*, Santiago, Chile, 1998; Brownsville, Texas, 2000.
- Founding Member, Advisory Committee to the U.S. Secretary of the Interior, *National Satellite Land Remote Sensing Data Archive*, 1997-2000.
- Liaison Member of the *Land Processes Distributed Active Archive Committee*, Earth Resources Observation Center, Sioux Falls, S.D., 1998-1999.
- Proposal reviewer: *NASA Planetary Geology & Geophysics Program*, 1996-2000.
- Member, *International Consultative Committee on Space Data Systems*, 1991-1995.

Professional Memberships:

American Geophysical Union (AGU), American Institute of Aeronautics and Astronautics (AIAA), Association of Mars Explorers, Experimental Aircraft Association (EAA), Institute of Electrical and Electronics Engineers (IEEE), International Dark Sky Association, National Society of Hispanic Physicists, Society for Advancement of Chicanos and Native Americans in Science (SACNAS), Society of Photo-optical Instrumentation Engineers (SPIE), Texas State Historical Assoc., B612 Foundation.

Certifications and Licenses:

Federal Emergency Management Agency (FEMA) Incident Command Systems (ICS-100) and National Incident Management System (IS-700); Texas CHL (semi-automatic), BATF *Type 3* federal firearm license, *Advanced Open Water Scuba* license, FCC Third Class Radiotelephone (with *Broadcast Endorsement*), FCC *Extra Class* radio licensee: K5EP, Texas *Class C* Driver's License, B.S.A. Northern Lights Council *Trained Adult* certification.

University Service Leadership:

- Co-organizer: First TAMU-Commerce *Management Development* training, Sept. 2012.
- Co-founder, *Center for Faculty Excellence*, Texas A&M University-Commerce, 2012.
- Member, *President's Council*, Angelo State University, 2009-2011.
- Chair, *West Texas Medical Associates Distinguished Lecture Selection Committee*, Angelo State University, 2006-2011.
- Chair, *Program Review* policy writing committee, Angelo State University, 2009-2010.
- Chair, *Distance Education Task Force*, Angelo State University, 2006-2007.
- Chair, *Evidentiary Hearing Committee on Faculty Grievances*, College of Arts and Humanities, A&M-CC, 2004-05.
- Chair, Search Committee, A&M-CC *Vice-Provost and Associate Vice-President*, 2001; *Graduate Dean*, 2000.
- Campus Coordinator, *Teresa Heinz Environmental Scholarships*, 2001-2006.
- Chair, *Faculty Core Curriculum Committee (FC³)*, 1999-2000 (Chair, 1998).

Civic, Professional and University Service:

- Reviewer, Geoscience and Environmental Science manuscripts, SACNAS Annual Meetings, 2008-2013.
- Member, Board of Directors, Concho Educator's Federal Credit Union, 2008-2011.
- Director, NASA *Translingual Earth System Science Education Center*, 1998-2001.
- Member, A&M-CC *Distance Education Council*, 1999-2002.
- A&M-CC Women's Center: Vice-Chair, 1995-98; Board of Directors, 1995-2000.
- Faculty Sponsor, *Islanders Across America* student disaster relief volunteers, 1997.
- Textbook Reviewer: Environment: The Science Behind the Stories, 2nd ed., Peterson, 2005
Living in the Environment, 12th ed., Brooks/Cole, 1999
Environmental Science-Earth as a Living Planet, 2nd ed., Wiley, 1997
The New Solar System, 2nd ed., Sky Publishing, 1996
GIS in The Geosciences, John Wiley & Sons, 1995
The Realm of the Universe, Saunders College Publishing, 1995.
- Member, *Faculty Senate*, Texas A&M University-Corpus Christi, 1994-96.
- Member, *Faculty Senate*, University of North Dakota *Faculty Senate*, 1992-1993.
- Candidate for *U.S. House of Representatives* from North Dakota, statewide race, 1992.
- Lecturer, Kuwaiti National Science Foundation, *DE Course on Sand Transport*, 1988;
- Peer reviewer for *Journal of Geophysical Research* and *Proceedings of the Lunar & Planetary Science Conference*, 1987-1990.
- Vice-President, UPI Broadcasters Association of Texas, 1978-81.

Honors and Awards:

- Inducted: Phi Kappa Phi, 2013
- *Outstanding Administrator* award, Texas A&M University-Commerce Faculty Senate, 2012.
- Inaugural class, *Texas A&M University System Academy for Educator Development*, 1999.
- First *Distinguished Faculty Achievement Award*, A&M-CC Alumni Association, 2000.
- First *Honorary Woman* award, Texas A&M-CC Women's Center, 1999.
- Inducted: Sigma Xi, 1998
- NASA award for *Excellence in Research*, 1996.
- Awarded academic tenure at A&M-CC, 1996
- NASA awards for *Excellence in Research*, *Excellence in Curriculum Development*; and *Excellence in Outreach (Project Earth)*, 1995.
- Inducted: Sigma Gamma Epsilon (Earth Science Honor Society), 1984.
- Inducted: Epsilon Delta Pi (Computer Science Honor Society), 1981.
- *Best Newscast* award & *Best Feature* award, UPI Broadcasters Association of TX, 1978.
- RIAA *Gold Record* awards: *Come Monday*, Jimmy Buffet, 1974; *Wildfire*, Michael Murphey, 1975

Major Fundraising Activities:

- 2010 Center for Security Studies *Global Emersion Center*, U.S. Air Force, \$675,000.
- 2004-2006 Board of Directors, *South Texas Children's Museum*, Phase 1 (of four) completed. \$35M project total.
- 1991-93 NASA, Proposal Team Member to create the *North Dakota Space Grant Consortium*, Three-year joint partnership contract for \$675K.
- 1992 Shell Oil Company, Proposal Team Member for Cray XMP supercomputer, University of North Dakota *Earth System Science Institute*, \$12.5M.
- 1988 U.S. Department of Agriculture, Proposal Team Member for congressional appropriation to create an *Earth System Science Institute*. \$8.4M.

Grants & Funded Research:

- 2011 National Science Foundation, PI (with Satterfield and Ward), Werst Texas PIERS in the Geosciences, *Diversity in the Geosciences* program, \$164,839.
- 2008-09 Office of Naval Research, Co-PI (with Sauncy and Urbanzyk) for Electromagnetic and Crystallographic Characterization of Naturally-Occurring Zeolites with an Emphasis on Passive Detection and Shielding of Undersea Vehicles, \$300,000.
- 2007-08 National Science Foundation, Co-PI (with Poppeliers and Satterfield) for High Performance Computing for Undergraduate Geoscience Research, \$51,000.
- 2003-06 National Science Foundation, Co-PI (with Silliman et al.) for Cabeza de Vaca Earthmobile Program, \$580,868
- 2005 Texas Research Development Fund, PI, Startup Initiatives in the Physical and Life Sciences, \$164,250.

Grants & Funded Research (continued):

- 2000-03 NASA Institutional Research Award, Co-PI (with Steidley et al.): Building an Interdisciplinary Research Infrastructure in Applied Computer Science, Geographic Information Science, Engineering Technology, and Mathematics, \$1,920,367.
- 2001 ASARCO, Co-PI (with Smith et al.) for Implementation of Management Plans for the Up River Road Conservation Easement, \$102,000
- 2000 NASA Earth Science Enterprise Education Program, PI, The Translingual Earth System Science Education Center, \$154,540.
- 1999 A&M-CC Office of the Vice-President for Finance and Administration, Co-PI (with Hickman) for A Wildlife Management Plan for Ward Island, \$54,000.
- 1999 ASARCO, PI (with Smith et al.) for Biodiversity Assay, Land Use Survey and Proposed Management Plan for the Bath/Grant/Kelly Property, \$164,268.
- 1998 Consorcio Educativo para la Protección Ambiental, PI for Translingual Environmental Science Education; \$5,000.
- 1994-97 NASA Joint Venture (JOVE) Research Program, Principal Investigator for Calibration and Data Analysis for the Deep Space Program Science Experiment_(aka *the Clementine mission*); Three year contract for \$110,000.
- 1996 Mexican Petroleum Institute, Co-Investigator (with Rodriguez and Jeffress) for A Regional Environmental Assessment of the State of Tabasco from Remote Sensing Data, \$225,000.
- 1995 Office of Naval Research, Co-Investigator (with Price and Jeffress) for Laboratory Instrumentation for Geographic Information Sciences, \$296,109 block grant.
- 1995 Eisenhower Foundation, Co-Investigator (with Duran) for Mathematics Integration Laboratory: Project Earth, \$68,000.
- 1994 A&M-CC Organized Research Grants, Principal Investigator for Installation and Operation of a Geosynchronous Operational Environmental Satellite Receiving Station, \$6,250.
- 1994 Ed Rachael Foundation, Principal Investigator for Satellite Image Acquisition for the Galvan Ranch Field Site, \$2,000.
- 1993 National Science Foundation, Principal Investigator for An Imaging Laboratory Curriculum in the Earth and Planetary Sciences, \$48,000.
- 1992-93 NASDA (Japanese Space Agency), Co-Investigator for Preliminary Data Analysis from the JERS-1 Imaging Radar, \$Data Grant
- 1990-92 National Center for Resource Innovation, Principal Investigator for TM analysis of prairie pothole variability, \$6,000.
- 1990 NASA Planetary Geology Field Experiment, Consultant for Correlation of mineralogical, textural, sorting, packing, mantling and slope variables with full-spectrum (visible to radar) multivariate image analysis in the Mojave Desert.
- 1990 UND Faculty Research travel grant to attend First International Conference on the Environment of Mars, Sopron, Hungary, \$1,000

Recent Publications and Refereed Presentations:

- Hempelmann, C. F., Solomon, D., Arslan, A. N., Attardo, S., Blount, G. P., Adkins, T. & Sirakov, N. M., Detecting necessary and sufficient parts for assembling a functional weapon. Proceedings of *SPIE 2017 Automatic Target Recognition XXVII*, Anaheim, CA., doi:10.1117/12.2268808, 2017.
- Hempelmann, C. F., Arslan, A. N., Attardo, S., Blount, G. P., & Sirakov, N. M., Real life identification of partially occluded weapons in video frames. Proceedings from *SPIE Defense and Security*. Baltimore, MA. doi: 10.1117/12.2224344, 2016.
- Sirakov, Nikolay, Abdullah N. Arslan, Christian F. Hempelmann, Salvatore Attardo, and Grady P. Blount, "Firearms Identification Through Partonomy", *SPIE Newsroom*, DOI: 10.1117/2.1201507.005849, pp. 1-3, August 2015.
- Hempelmann, Christian F., Arslan, Abdullah N., Attardo, Salvatore, Blount, Grady Price and Nikolay Metodiev Sirakov, "Threat Assessment Using Visual Hierarchy and Conceptual Firearms Ontology", *Optical Engineering*, v. 54, issue 5, May 13, 2015.
- Blount, Grady Price and Rodriguez, Robert, Hispanics in Texas Higher Education: An Assessment of the State Closing the Gaps Initiative, *Proceedings: First Pan-American Interdisciplinary Conference, Buenos Aires, Argentina*, vol. 1, pp. 191-211, 2015.
- Hempelmann, Christian F., Arslan, Abdullah N., Attardo, Salvatore, Blount, Grady Price and Nikolay Metodiev Sirakov. 2014. "Assessing the Threat of Firearms: New Threat Formula, Resources, and Ontological Linking Algorithms." In: Kadar, Ivan, ed., *Signal Processing, Sensor/Information Fusion, and Target Recognition XXIII*. Proceedings of SPIE Vol. 9091. Bellingham, WA: SPIE. 90910U1-12. doi: 10.1117/12.2050814, 2014.
- Hempelmann, Christian F., Arslan, Abdullah N., Attardo, Salvatore, Blount, Grady Price and Nikolay Metodiev Sirakov. "Assessing the threat of firearms: new threat formula, resources, and ontological linking algorithms.", *SPIE Defense, Security, and Sensing 2014 Conference*, Baltimore, MD, May 5-9, 2014.
- Dyess, Jonathan and Blount, G.P., Field Mapping and Regional Remote Sensing of the Buck Hill Volcanic Group, Trans-Pecos Texas, *Geological Society of America, Abs. with Programs* Vol. 41, No. 7, 2009.
- Krieg, M. and Blount, G., The GulfBase Image Mosaic Project, *Annual Conference of the American Society for Photogrammetry and Remote Sensing*, May 2005.
- Billeaux, D., Blount, G.P., Logsdon, S., Meyer, P., Quiroz, A., Heath, S., and Jozwiak, J., Writing Across the Curriculum and First-Year Learning Communities, presented at the *6th National WAC Conference*, Rice University, March 2002.
- Blount, Grady Price, Holm, T. and Faundeen, J., Quaternary Park: Retrieval of Lost Satellite Images from the late 20th Century, *Proceedings from the Annual Conference of the American Society for Photogrammetry and Remote Sensing-2001*, St. Louis, April 2001.

Other Publications and Invited Presentations:

- Blount, G.P., Kratz, D., and Staton, A., Braking While Accelerating: The View from Texas, *Council of Colleges of Arts and Sciences annual meeting*, Seattle, WA., 2012.
- Gabryonowitz, J., P. Adler, M. Baumgardner, G. Bethel, G. Blount, A. Budge, J. Copple, K. Davidson, K. Green, J. Harroun, T. Holm, A. Krygiel, J. MacDonald, G. Robinson, E. Shaw, P. Tessar, D. Williams, Access to Restricted Data, *Report to the Secretary of the Interior*, National Satellite Land Remote Sensing Data Archive Advisory Committee, 6 pp., 2000.

- Blount, G.P., Front Cover Image (from Ikonos II), *Surveying and Land Information Systems*, v. 60, n. 2, August 2000.
- Blount, G.P., Scenters-Zapico, J. and Dew, D., Discourse Plazas: A Blooming Large Scale Initiative, presented at the conference on *Evolution, Revolution and Implementation: Computers and Writing for Global Change*, Texas Women's University, May 2000.
- Blount, G.P., Is NASA a Religion? *First International Conference on Children's Rights & Education for the 21st Century*, Texas A&M University-Corpus Christi, July 2005.
- Blount, Grady and Smith, E., and Dilworth, S.J., Land Use and Biodiversity Assay of ASARCO Property, *A&M-CC Center for Coastal Studies Report #9908*, 51 pp., 1999.
- Rodriguez, A., Blount, G., and Jeffress, G., Evaluacion Ambiental Regional de los Cambios en el patron de Flujo de Agua Superficial en al Estado de Tabasco, Mexico, *A&M-CC Center for Coastal Studies Report #9808*, 27 pp., 1998.
- Blount, G., Towards a Trans-Boundary Gulf of Mexico Initiative, report to Texas General Land Office, 1997.
- Blount, G., review of Verbyla, D., Satellite Remote Sensing of Natural Resources, in *Surveying and Land Information Systems*, v. 57, n. 1, p. 59, 1997.
- Price, K. and G. Blount, Laboratory Manual for Environmental Science, Kendall/Hunt, 97 p., 1997.
- Blount, G., McEwen, A., and Robinson, M., Reconnaissance Results from the Clementine Mission: A First Look at the Lunar North Pole, presented at the *NASA Joint Venture Conference*, Monterey, CA., July 5-8, 1995.
- Blount, G., Design Specifications for a Mars Multispectral Microscope, *Mars Surveyor Workshop*, NASA Jet Propulsion Laboratory, CA., 1994.
- Blount, G., South Texas Vegetation Classification Plan, in Hegwood, D., ed., Feasibility Study of Developing a South Texas Space Science and Remote Sensing Test Area, *Texas Space Grant Consortium*, 154 p., 1994.
- Wood, C. and G. Blount, After Magellan: Design Considerations for the next generation of Venus Spacecraft, *Lunar and Planetary Science Conf. XXIII*, part 1, 1992.
- Blount, G., Spectral mixing models for quantitative surface mapping, Symposium on Geographic data processing, *Proc., North Dakota Academy of Sciences.*, Minot, ND, 1991.
- Blount, G., Quaternary Depositional History of a Southwestern Core Desert, *Annual meeting of the Quaternary Research Center*, Univ. of Washington, Seattle, WA., 1991.
- Blount, G., Multivariate analysis of aeolian surfaces: An aide to regional climatic interpretation, presented at the *First International Conference on the Environment of Mars*, Sopron, Hungary, January 1990.
- Blount, G., Smith, M.O., Adams, J.B. and Greeley, R., Regional aeolian dynamics and sand mixing in the Gran Desierto: Evidence from Landsat Thematic Mapper images, *Journal of Geophysical Research*, v. 95, p. 15463-15482, 1990.
- Blount, G. and Lancaster, N., Development of the Gran Desierto sand sea, *Geology*, v.18, p. 724-728, 1990.
- Blount, G., Greeley, R., Christensen, P.R., Lancaster, N., Adams, J. and Smith, M.O., Determination of regional surficial geology for aeolian terrains utilizing a linear mixing algorithm for remote sensing data, *Reports of the Planetary Geology and Geophysics Program*, 1988, NASA TM-4130, p. 255-256, 1989.

- Blount, G., Greeley, R., Christensen, P.R. and Lancaster, N., Interpreting the geologic history of aeolian bodies from remote sensing data, presented at the annual meeting of the L.P.S.C., Houston, Texas, *Lunar and Planetary Science Conf. XIX*, part 1, 104-105, 1988.
- Blount, G., Regional Aeolian Dynamics from Remote Sensing: Origin of the Gran Desierto, Sonora, Mexico, Ph.D. dissertation, Arizona State University, Tempe, Arizona, 227 p., 1988.
- Blount, G., Greeley, R., Christensen, P.R. and Lancaster, N., Semi-quantitative remote sensing of aeolian terrains using a linear mixing model, *Reports of the Planetary Geology and Geophysics Program*, 1987, NASA TM-4041, p. 273-274, 1988.
- Blount, G., Evidence for the Pleistocene migration of the Colorado River delta, *Symposium on the Geology and Mineral Deposits of Sonora II*, Instituto de Geologia-Universidad de Sonora, Asociacion de Ingenieros de Minas - Sonora, 1988.
- Lancaster, N. and Blount, G., Episodic eolian deposition in the Gran Desierto of Mexico: Super bounding surfaces in the making, abs. *41st Southwestern Geology Symposium*, Flagstaff, Arizona, p. 41, 1988.
- Blount, G. and Greeley, R., Lunar Rotation and the Distribution of Dark-Halo Pyroclastic Deposits: A Cause for Asymmetric Ejecta Patterns, *Lunar and Planetary Science Conf. XVIII*, part 1, 91-92, 1987.
- Blount, G., Greeley, R., Christensen, P.R. and Arvidson, R., Aeolian Mixing and the Identification of Active Sand Surfaces on the Earth and Mars, presented at the annual meeting of the L.P.S.C., Houston, Texas, *Lunar and Planetary Science Conf. XVIII*, part 1, 95-96, 1987.
- Blount, G., Greeley, R. and Christensen, P.R., Regional Aeolian Dynamics from Remote Sensing: A test case for Mars Observer, presented at the *Annual Meeting of the G.S.A.*, Phoenix, Az., Geol. Soc. Amer., Abs. with Prog., v. 19, n. 7., 592, 1987.
- Blount, G. and Greeley, R., Correlated Noise as a Planetary Image Enhancement Technique, presented at the *Annual Meeting of the Division of Planetary Sciences-American Astronomical Society*, Bull. Amer. Astronomical Soc., v. 19, n. 3, 847, 1987.
- Blount, H.G., Percepcion remota de el Gran Desierto, Sonora, in: International Guide to Research on Mexico, UC-San Diego/Colegio de la Frontera Norte-Tijuana, 665-666, 1987.
- Blount, G., Barbera, P., Pappalardo, R., Posin, S. and Watts, A., The Occurrence of Seismically-Disrupted Antipodal Terrains, *Lunar and Planetary Science Conf. XVIII*, part 1, 93-94, 1987.
- Blount, H.G., II, Greeley, R., Christensen, P.R. and Arvidson, R., Bright Sand/Dark Dust: The Identification of Active Sand Surfaces on the Earth and Mars, *Reports of the Planetary Geology and Geophysics Program*, 1986, NASA TM-89810, 257-258, 1987.
- Blount, H.G., II and Whitford-Stark, J.L., Identification of geological units representing the spectra obtained from the Shuttle Multispectral Infrared Radiometer for a portion of the Trans-Pecos, Texas, in *Reports of the Planetary Geology and Geophysics Program*, 1985, NASA TM-88383, 502-504, 1986.
- Marston, R.A. and Blount, H.G., II, Shuttle Imaging Radar coverage of southwest New Mexico, in Hoffer, J., ed., Geology of Southcentral New Mexico, El Paso Geological Society, 52-59, 1986.
- Blount, H.G., II, Greeley, R., and Christensen, P.R., Identification of Active Sand Surfaces: Earth and Mars, presented at the *Annual Meeting of the G.S.A.*, San Antonio, Texas, Geol. Soc. Amer., Abs. with Prog., v. 18, n. 6., 544, 1986.
- Blount, H.G., II, An Interpretation of Shuttle Multispectral Infrared Radiometer Data for a portion of Trans-Pecos Texas, M.S. thesis, Sul Ross State University, 128 p., 1985.

- Blount, H.G., II, Space Based Exploration of the Big Bend, Chihuahuan Desert Research Institute, *Chihuahuan Desert Discovery*, 18, 4-7, 1985.
- Blount, H.G., II and Whitford-Stark, J.L., Analysis of SMIRR data for volcanic and sedimentary terraines of the Trans-Pecos, Texas, in *Reports of the Planetary Geology and Geophysics Program*, 1984, NASA TM-87563, 432-433, 1985.

Graduate Thesis or Research Projects Supervised:

- Krieg, Melissa, *GulfBase Mosaic project: Landsat Thematic Mapper Composite of the Coastal Gulf of Mexico and GIS Viewer*, 31 pp., 2005.
- Johnson, Cassidy B., *The Effect of Changes in Gravity on Human TUR Cell Phagocytosis*, 74 pp., 2005.
- Iglesias, Claudia, *Laboratory Exercises in Earth System Science*, 102 pp., 2003.
- Weaver, Karen, *Pre-European Texas: Vegetation Change on the Palo Alto Battlefield National Historic Site*, 380 pp., 1999.
- Williams, Deidre D., *Recreational Beach Fill: Processes & Functional Design*, 265 pp., 1999.
- Cowart, R., *Surface Water Temperature Monitoring from Wesley-Seale Dam to Port Aransas Utilizing AVHRR Satellite Data*, 48 p., 1997.
- Martin, O. and K. Nolan, *GPS Rectification of TM Imagery for South Texas*, 22 p., 1997.
- Chambers, C., *Scale and Chaos in Global Models*, 72 p., 1992.
- Mino, T., *Solar Activity and its Effect on Terrestrial Communications*, 43 p., August 1991.
- Qualls, D., *Playa analysis utilizing the linear mixing model on Landsat 5 thematic mapper data*, 44 p., 1991.
- Wise, S.W., *Wetland Monitoring in the Prairie Pothole Region Using Linear Mixing Model Analysis*, 37 p. report and Pascal code, 1990.
- Mee, M., *Advanced Image Processing on Microcomputers: Implementations for 32-bit Color Display and Multivariate Image Analysis*, 60 p. report, manual and C code, 1990.
- Mackin, J. E., *System Design Evolution in Deep-Space Sensing Probes*, 42 p., 1990.
- Anderson, C., *Variations on Entry Parameters for Mars Aerobraking Maneuvers*, 65 p., 1990.
- Mani, M., *An application of the NDVI algorithm to North Dakota farmlands during the droughts of 1988 and 1989*, 37 p. report and FORTRAN code, 1990.
- Bieri, S.R., *Agricultural opportunities for the Institute of Earth System Science at the University of North Dakota*, 49 p., 1989.
- Kakadelis, S., *Space User Display Software (SPUDS) package*, 41 p. and Pascal code, 1989.

Citation Index:

- Karimi, A., Discrimination of sand dunes and loess deposits using grain-size analysis in northeastern Iran, *Arabian J. of Geosciences*, v. 10, n. 12, June 2017.
- Kalińska-Nartiša, Edyta, Alexanderson, H., Nartiss, M., and K. Kaiser, Sedimentary features reveal transport paths for Holocene sediments on the Kristianstad coastal plain SE Sweden, *GFF – J. of the Geological Society of Sweden*, v. 139, n. 2, pp. 147-161, 2017.
- Gottscho, A.D., Wood, D.A. and A.G. Vandergast, Lineage diversification of fringe-toed lizards (Phrynosomatidae: *Uma notata* complex) in the Colorado Desert: Delimiting species in the presence of gene flow, *Molecular Phylogenetics and Evolution*, v. 106, pp. 103-117, 2017.

- Koeshidayatullah, A., Chan, S.A., and M Al-Ghamdi, Discrimination of inland and coastal dunes in Eastern Saudi Arabia desert system: An approach from particle size and textural parameter variations, *J. of African Earth*, v. 117, pp. 102-113, 2016.
- Halfen, A.F., Lancaster, N., and S. Wolfe, Interpretations and common challenges of aeolian records from North American dune fields, *Quaternary International*, v. 410, part B, pp. 75-95, 2015.
- Benaafi, M. and O. Abdullatif, Sedimentological, mineralogical, and geochemical characterization of sand dunes in Saudi Arabia, *Arabian Journal of Geosciences*, v. 8, n. 12, pp. 11073-11092, 2015.
- Lancaster, Nicholas, Geomorphology of Desert Dunes, Routledge, 312 pp., 2013.
- Cedrún1, P. Martínez, Maroto1, G. Fernández, Flor, G., and Flor-Blanco, G., Granulometría y composición mineralógica de los sedimentos arenosos de los sistemas de playa/dunas de la costa de Cantabria (NO de España), *Geo-Temas*, v. 14, pp. 95-98, 2013.
- Moufti, Assad M.B., Mineralogy, geochemistry and possible provenance of desert sand dunes from western Rub'al Khali area, southeastern Saudi Arabia, *International Journal of Basic and Applied Sciences*, v. 2, n. 4, pp. 399-407, 2013.
- Youssef, Ahmed M., Mapping of Sand Dunes/Sheets/Accumulations Using Remote Sensing and their Potential Hazards in the New Projects West of El-Kawamel Area, Sohag, Egypt, *J. of King Abdulaziz University*, v. 24, n. 1, pp. 1-20, 2013.
- Hulley, Glynn C. and Simon J. Hook, "A radiance-based method for estimating uncertainties in the Atmospheric Infrared Sounder (AIRS) land surface temperature product", *J. of Geophysical Research: Atmospheres*, v. 117, Issue D20, 27 October 2012.
- Hulley, G.C., Realmuto, V., Hooke, S.J. and M. Ramsey, HypsIRI Thermal Infrared (TIR) Band Study Report, Jet Propulsion Laboratory Publication 12-16, 49 pp., 2012.
- Mohamed, Ihab N.L., and Verstraeten, Gert, "Analyzing dune dynamics at the dune-field scale based on multi-temporal analysis of Landsat-TM images", *Remote Sensing of Environment*, v. 119, pp. 105-117, April 16, 2012.
- Ramsey, M.S., Realmuto, V.J. and G.C. Hulley, HypsIRI Thermal Infrared (TIR) Band Study Report, Jet Propulsion Laboratory Publication 12-16, 49 pp., 2012.
- Draut, Amy E., "Effects of River Regulation on Aolian Landscapes, Colorado River, southwestern USA", *J. of Geophysical Research: Earth Surface*, v. 117, issue F2, 2012.
- Scheidt, S.; Lancaster, N.; and Ramsey, M., "Eolian dynamics and sediment mixing in the Gran Desierto, Mexico, determined from thermal infrared spectroscopy and remote-sensing data", *Geological Society of America Bulletin*, v. 123, n. 7-8, pp.1628-1644, 2011.
- Gomez, B., Sediment II: Modification and Provenance, *Geography Compass*, pp. 494-516, 2011.
- Lam, D.K., Rimmel, T.K., and Taly D. Drezner, "Tracking Desertification in California Using Remote Sensing: A Sand Dune Encroachment Approach", *Remote Sensing*, v. 3, issue 1, pp. 1-13, 2010.
- Freaner, F.E.M. and T.R. VanDevender, Diversidad Biologica de Sonora, Universidad Nacional Autónoma De México, 371 pp., 2010.
- Kasper-Zubillaga, J.J., Roundness in quartz grains from inland and coastal dune sands, Altar Desert, Sonora, Mexico, *Boletín de la Sociedad Geológica Mexicana*, v. 61, pp. 1-12, 2009.
- Flor, G. and Flor Blanco, G., "Sedimentología de los depósitos arenosos superficiales de la playa de Vega (Concejo de Ribadesella, Asturias)", *Revista de la Sociedad Geológica de España*, 22 (1-2), 2009.

- Blanco, P.D., Metternicht, G.I., and Del Valle, H.F., Improving the discrimination of vegetation and landform patterns in sandy rangelands: a synergistic approach, *International Journal of Remote Sensing*, 30 (10), pp. 2579-2605, 2009.
- Tchakerian, Vatche P., "Palaeoclimatic Interpretations From Desert Dunes and Sediments", in *Geomorphology of Desert Environments*, Parsons and Abrahams, eds., Chapman and Hall, pp. 757-772, 2009.
- Kasper-Zubillaga, Juan José, Acevedo-Vargas, Beatriz, Bermea, Ofelia Morton, and Zamora, Glicinia Ortiz, Rare earth elements of the Altar Desert dune and coastal sands, Northwestern Mexico, *Chemie der Erde - Geochemistry*, V. 68, Issue 1, pp. 45-59, 2008.
- Lancaster, Nicholas, "Desert Dunes Dynamics and Development: Insights from Luminescence Dating", *Boreas*, v. 37, issue 4, pp. 559-573, 2008.
- Bartholomeus, H., Epema, G., and Schaepman, M., Determining Iron Content in Mediterranean Soils in Partly Vegetated Areas, using Spectral Reflectance and Imaging Spectroscopy, *Intl. J. of Applied Earth Observation and Geoinformation*, v. 9, n. 2, pp. 194-203, 2007.
- Kasper-Zubillaga, J.J., and Faustinos-Morales, R., Análisis por Microscopía Electrónica de Barrido de Granos de Cuarzo de Dunas Desérticas y Costeras, *Ciencias Marinas*, v. 33, n. 1, pp. 11-22, 2007.
- White, K., Walden, J., and Gurney, S.D., Spectral properties, iron Oxide Content and Provenance of Namib Dune Sands, *Geomorphology*, v. 86, n. 3-4, pp. 219-229, 2007.
- Kasper-Zubillaga, and Zolezzi-Ruiz, H., Grain size, mineralogical and geochemical studies of coastal and inland dune sands from El Vizcaíno Desert, Baja California Peninsula, Mexico, *Revista Mexicana de Ciencias Geológicas*, v. 24, n. 3, pp. 423-438, 2007.
- Kasper-Zubillaga, J.J., Zolezzi-Ruiz, H., Carranza-Edwards, A., Giron-Garcia, P., Ortiz-Zamora, G., and Palma, M., Sedimentological, modal analysis and geochemical studies of desert and coastal dunes, Altar Desert, NW Mexico, *Earth Surface Processes and Landforms*, v. 32, n. 4, pp. 489-508, 2007.
- Beveridge, C., Kocurek, G., Ewing, R.C. and Lancaster, N., Development of Spatially Diverse and Complex Dune-field Patterns: Gran Desierto Dune Field, Sonora, Mexico, *Sedimentology*, v. 53, n. 6, pp. 1391-1409, 2006.
- White, K. and Eckardt, F., Geochemical mapping of carbonate sediments in the Makgadikgadi basin, Botswana using moderate resolution remote sensing data, *Earth Surface Processes and Landforms*, v. 31, n. 6, pp. 665-681, 2006.
- Rodríguez-López, J.P., de Boer, P.L., Meléndez, N., Soria, A.R. and Pardo, G., Windblown desert sands in coeval shallow marine deposits: a key for the recognition of coastal ergs in the mid-Cretaceous Iberian Basin, Spain, *Terra Nova* v. 18 (5), pp. 314-320, 2006.
- Kasper-Zubillaga, J. J. and Carranza-Edwards, A., Grain size discrimination between sands of desert and coastal dunes from northwestern Mexico, *Revista Mexicana de Ciencias Geológicas*, v. 22, n. 3, pp. 383-390, 2005.
- Faundeen, John L., Footprint Coverages: A Land Remote Sensing Search Analysis Tool, *Pecora XVI Global Priorities in Land Remote Sensing*, Sioux Falls, SD, October 23-27, 2005.
- Marin, L. Forman, S.L., Valdez, A., and F. Bunch, 20th Century dune movements Great Sand Dunes National Park, Colorado, and relation to drought variability, *Geomorphology*, 2004.
- Okin, G.S. and T.H. Painter, Effect of Grain Size in Remotely Sensed Spectral reflectance of Sandy Desert Surfaces, *Remote Sensing of Environment*, 89, 272-280, 2004.

- Bandfield, J.L., Rogers, D., Smith, M.D., and Christensen, P.R., Atmospheric correction and surface spectral unit mapping using Thermal Emission Imaging System data, *J. Geophysical Research-Planets*, v. 109, n. E10: Art. No. E10008, 2004.
- Ramsey, M., Quantitative Geological Surface Processes Extracted from Infrared Spectroscopy and Remote Sensing, in *Infrared Spectroscopy in Geochemistry, Exploration Geochemistry, and Remote Sensing*, 234 pp., 2004.
- Saini, H.S., Sedimentological Characters of the Late Quaternary aeolian and alluvial sediments of Haryana, *Proc. Indian Natn Sci Acad*, v. 69, A, n. 2, pp. 201-215, March 2003.
- Pu, R., Xu, B., and P. Gong, Oakwood Crown Closure Estimation by Unmixing Landsat TM Data, *International Journal of Remote Sensing*, 24, 22, 4422-4445, 2003.
- Wang, X., Dong, Z., Zhang, J., Qu, J., and A. Zhao, Grain Size Characteristics of Dune Sands in the central Taklimakan Sand Sea, *Sedimentary Geology*, 161, 1-14, 2003
- Fenton, L.K., Bandfield, J.L., and Ward, A.W., Aeolian processes in Proctor Crater on Mars: Sedimentary history as analyzed from multiple data sets, *Journal of Geophysical Research-Solid Earth*, 108 (E12), 5129, doi:10.1029/2002JE002015, 2003.
- Goudie, A.S., *Great Warm Deserts of the World: Landscapes and Evolution*, 444 pp., 2003.
- Muhs, D.R., Reynolds, R.L., Been, J., Skipp, G., Eolian sand transport pathways in the southwestern United States: importance of the Colorado River and local sources, *Quaternary International*, 104: 3-18, 2003.
- Foppa, N., Wunderle, S., and A. Hauser, Operational Snow Cover Estimation at Subpixel Scale using NOAA-AVHRR Data, Remote Sensing for Environmental Monitoring, *Proceedings of the SPIE*, v. 4886, 659-666, 2003.
- Mushtak, T. J., Hu, G. and Chen, J., Study of Sand Dunes and Their Effect on Desertification of Cultivated Lands in Shaanxi Province, China Using Remote Sensing Techniques, *China J. of Geosciences*, v. 13, no.3 P.234-239, 2002.
- Scheidt, S.W., Aeolian System Dynamics Derived from Thermal Infrared Data, *Ph.D. Dissertation*, Univ. of Pittsburgh, 266 pp., 2002.
- Bullard J.E. and White K., Quantifying iron oxide coatings on dune sands using spectrometric measurements: An example from the Simpson-Strzelecki Desert, Australia, *Journal of Geophysical Research-Solid Earth*, 107 (B6): art. no. 2125, June 2002.
- Bandfield J.L., Edgett K.S., and Christensen P.R., Spectroscopic study of the Moses Lake dune field, Washington: Determination of compositional distributions and source lithologies, *Journal of Geophysical Research-Planets*, 107 (E11): art. no. 5092, Nov. 2002.
- Pease P.P. and Tchakerian V.P., Composition and sources of sand in the Wahiba Sand Sea, Sultanate of Oman, *Annals of the Association of American Geographers*, 92 (3): 416-434, Sept. 2002.
- White, K., Livingstone, I., Gurney, S., Dearing, J., and Bateman, M., Post-processing of mineral mixture maps for mapping surficial materials: the example of the Matmata loess, southern Tunisia, *International Journal of Remote Sensing*, 23 (15): 3091-3106. Aug. 10, 2002.
- Foppa, N., Wunderle, S., and A. Hauser, Spectral Unmixing of NOAA-AVHRR Data for Snow Cover Estimation, Proceedings: *EARSeL-LISSIG Workshop Observing our Cryosphere from Space*, Bern, 155-163, March 2002
- Carriquiry, J.D., Sanchez, A., and Camacho-Ibar, V.F., Sedimentation in the northern Gulf of California after cessation of the Colorado River discharge, *Sedimentary Geology*, 144 (1-2): 37-62 Special. Issue, SI Oct. 1, 2001.

- Malin, M.C., Bell, J.F., Calvin, W., Clancy, R.T., Haberle, R.M., James, P.B., Lee, S.W., Thomas, P.C., Caplinger, M.A., Mars Color Imager on the Mars Climate Orbiter, *Journal of Geophysical Research-Planets*, 106 (E8): 17651-17672, Aug. 25, 2001.
- White, K., Goudie, A., Parker, A., Al-Farraj, S., Mapping the geochemistry of the northern Rub' Al Khali using multispectral remote sensing techniques, *Earth Surface Processes and Landforms*, 26 (7): 735-748, July 2001.
- Bandfield, J.L., Christensen, P.R., and Smith, M.D., Spectral data set factor analysis and end-member recovery: Application to analysis of Martian atmospheric particulates, *Journal of Geophysical Research - Planet* 105: (E4) pp. 9573-9587, April 25, 2000.
- Pease, P.P., Bierly, G.D., Tchakerian, V.P., et al., Mineralogical characterization and transport pathways of dune sand using Landsat TM data, Wahiba Sand Sea, Sultanate of Oman, *Geomorphology*, 29: (3-4), pp. 235-249, Sept. 1999.
- Ramsey, M.S., Christensen, P.R., Lancaster, N., et al., Identification of sand sources and transport pathways at the Kelso Dunes, California, using thermal infrared remote sensing, *Geological Society of America Bulletin*, 111: (5), pp. 646-662, May 1999.
- Breed, C.S., Monitoring surface changes in desert areas, *Desert Winds: Monitoring Wind-Related Surface Processes*, USGS professional Paper 1598, 153 pp., 1999.
- Carriquiry J.D., and Sanchez, A., Sedimentation in the Colorado River delta and Upper Gulf of California, *Marine Geology* 158: (1-4), pp. 125-145, June 1999.
- Ramsey, M.S. and Christensen, P.R., Mineral Abundance Determination: Quantitative Deconvolution of Thermal Emission Spectra, *Journal of Geophysical Research*, v. 103, n. 1, pp. 577-598, 1998.
- White, K., Walden, J., Drake, N., Eckardt, F., and Settle, J., Mapping the Iron Oxide Content of Dune Sands, Namib Sand Sea, Namibia, using Landsat Thematic Mapper data, *Remote Sensing of Environment*, v. 62, n. 1, pp. 30-39, 1997.
- Felger, R.S., Broyles, B., Nabhan, G.P., and Evans, L., Our grand desert: A gazetteer for northwestern Sonora, southwestern Arizona, and northeastern Baja California, *J. of the Southwest*, v. 39, n. 3-4, pp. 703-856, 1997.
- Sept, M.L., Mapping and detecting change in the aeolian sand deposits of Southern Alberta using wet year-dry year using Landsat Thematic Mapper imagery, M.S. thesis, University of Alberta, 85 p. 1997.
- Tompkins, S., Mustard, J.F., Pieters, C.M., and Forsyth, D.W., Optimization of Endmembers for Spectral Mixture Analysis, *Remote Sensing of Environment*, v. 59, n. 3, pp. 472-489, 1997.
- Lancaster, N., *Geomorphology of Desert Dunes*, Routledge, 290 p., 1996.
- Merenyi, E., Singer, R.B., and Miller, J.S., Mapping of Spectral Variations on the Surface of Mars from High Spectral Resolution Telescopic Images, *Icarus*, v. 124, n. 1, pp. 280-295, 1996.
- Winspear, N.R. and Pye, K., Sand Supply to the Algodones Dunefield, South-Eastern California, USA, *Sedimentology*, v. 42, n. 6, pp. 875-891, 1995.
- Zimelman, J.R., Williams, S.H. and V.P. Tchakerian, Sand Transport Paths in the Mojave Desert, Southwestern United States, *Desert Aeolian Processes*, Springer, 352 pp., 1995.
- Ritter, D.F., Kochel, R.C., and Miller, J.R., *Process Geomorphology*, Brown, 546 p., 1995.
- Farrand, W.H. and Harsanyi, J.C., Discrimination of Poorly Exposed Lithologies in Imaging Spectrometer Data, *Journal of Geophysical Research*, v. 100, n. E1, pp. 1565-1578, 1995.
- Clark, R.N., King, T.V.D., Ager, C., and Swayze, G.A., Initial Vegetation Species and Senescence/stress Indicator Mapping in the San Luis Valley, Colorado using Imaging,

- Summaries of the *Fifth Annual JPL Airborne Earth Science Workshop*, v. I, AVIRIS Workshop, pp. 35-38, 1995.
- Xu, P., Blumberg, D.G. and R, Greeley, Preliminary study of Kelso Dunes using AVIRIS, TM, and AIRSAR, NASA Technical Report, JPL Summaries of the *Fifth Annual JPL Airborne Earth Science Workshop*. Volume 1: AVIRIS Workshop; p 159-161, 1995.
- Edgett, K., Ramsey, M., and Christensen, P., Aeolian erosion, transport, and deposition of volcanoclastic sands among the shifting sand dunes, Christmas Lake Valley, Oregon: TIMS image analysis, *Summaries of the Fifth Annual JPL Airborne Earth Science Workshop*, v. 2: TIMS Workshop, pp 13-16 (SEE N95-33789 12-42); 1995.
- Ray, T.W. and Murray, B.C., Remote Monitoring of Shifting Sands and Vegetation Cover in Arid Regions, in *Geoscience and Remote Sensing Symposium, 1994. IGARSS '94. Surface and Atmospheric Remote Sensing: Technologies, Data Analysis and Interpretation.*, International v. 2, pp. 1033-1035, 1994.
- Farrand, W.H., Singer, R.B., and Merenyi, E., Retrieval of Apparent Surface Reflectance from AVIRIS Data - A Comparison of Empirical Line, Radiative-Transfer, and Spectral Mixture Methods, *Remote Sensing of Environment*, v. 47, n. 3, pp. 311-321, 1994.
- Smith, M.O., Adams, J.B., and Sabol, D.E., Mapping Sparse Vegetation Canopies, in *Imaging Spectrometry for Environmental Observations*, Springer Netherlands, pp. 221-235, 1994.
- Edgett, K.S. and Blumberg, D.G., Star and Linear Dunes on Mars, *Icarus*, v. 112, n. 2, pp. 448-464, 1994.
- Murphy, R.J., and Wadge, G., The Effects of Vegetation on the Ability to Map Soils Using Imaging Spectrometer Data, *International Journal of Remote Sensing*, v. 15, n. 1, pp. 63-86, 1994.
- Lancaster, N., Origins and Sedimentary Features of Supersurfaces in the Northwestern Gran Desierto Sand Sea, in Pye, K., *Aeolian Sediments: Ancient and Modern*, pp. 71-83, 1993.
- Lancaster, N., Arid Geomorphology, *Progress in Phys. Geog.*, v. 16, n. 4, pp. 489-495, 1992.
- Lancaster, N., Relations Between Dune Generations in the Gran Desierto of Mexico, *Sedimentology*, v. 39, n. 4, pp. 631-644, 1992.
- Lancaster, N., Gaddis, L., and Greeley, R., New Airborne Imaging Radar Observations of Sand Dunes-Kelso Dunes, *Remote Sensing of Environment*, v. 39, n. 3, pp. 233-238, 1992.
- Paisley, E.C., Lancaster, N., Gaddis, L.R., and Greeley, R., Discrimination of Active and Inactive Sand from Remote Sensing-Kelso Dunes, Mojave Desert, California, *Remote Sensing of Environment*, v. 37, n. 3, pp. 153-166, 1991.
- White, K., Remote Sensing, *Progress in Physical Geography*, v. 15, n. 1, pp. 71-76, 1991.
- Lancaster, N., Paleoclimatic Evidence from Sand Seas, *Paleogeography, Paleoclimatology, and Paleoecology*, v. 76, n. 3-4, pp. 279-290, 1990.
- MacDonald Detwiller Associates, distribution of images in satellite imaging brochure, 1990.
- Lancaster, N., Paleoclimatic Evidence from Sand Seas, *Palaeogeography, Palaeoclimatology, Palaeoecology*, v. 76, pp. 279-290, 1990.
- Lancaster, N., The Dynamics of Star Dunes, *Sedimentology*, v. 36, pp. 273-290, 1989.
- Tellez, J.R. and Whitford-Stark, J.L., SMIRR Data Analysis of West Texas: Enhancement of Lithologic Signatures, *Lunar and Planetary Science Conference*, v. 19, pp. 1187-1188, 1988.

Teaching Evaluations for Grady Price Blount

Student Evaluations from: Professional Standards (4000-level)
 Sustainability (3000-level)
 Astronomy of the Solar System (1000-level)
 Introduction to Environmental Science (1000-level)
 Geomorphology (3000-level)
 Environmental Geology (3000-level)
 Photogrammetry and Remote Sensing (3000-level)
 Professional Ethics (3000-level)
 Seminar in Coastal and Marine System Science (Graduate)
 Coastal Management (Graduate)

